



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera/

Andersen Corporation
100 Fourth Avenue North
Bayport, MN 55003

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Flex/ Arch Flex/ Springline" Fixed Wood Windows – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W07-58**, titled "Flexiframe / Springline Fixed Wood Windows", sheets 1 through 10 of 10, dated 08/01/2007 with revision "C" dated 06/15/2012, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** and **revises** NOA # **09-1109.06** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**

MIAMI-DADE COUNTY
APPROVED

J. Gascon
8/30/12

NOA No. 12-0720.02

Expiration Date: November 5, 2017

Approval Date: September 6, 2012

Page 1

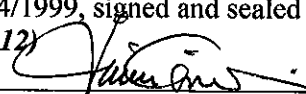
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA# 09-1109.06)
2. Drawing No. **W07-58**, titled "Flexiframe / Springline Fixed Wood Windows", sheets 1 through 10 of 10, dated 08/01/2007 with revision "C" dated 06/15/2012, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94.
3) Water Resistance Test, per PA 202-94.
4) Large Missile Impact Test per PA 201-94
5) Cyclic Wind Pressure Loading per PA 203-94
along with assembly & part drawing of a series Springline wood fixed window prepared by Architectural Testing, Inc., Test Report No. **ATI-02-34396.01**, dated 07/10/2002, signed and sealed by Steven M. Ulrich, P. E. *(Submitted under NOA No. 02-0919.14)*
2. Test reports on: 1) Large Missile Impact Test per PA 201-94.
2) Cyclic Wind Pressure Loading per PA 203-94
along with marked-up drawing of a wood fixed window, prepared by Architectural Testing Inc. Test Report No. **ATI-02-32062.01**, dated 05/05/2000 along with revised marked-up drawings, signed and sealed by Allen N. Reeves, P. E.
(Submitted under NOA No.'s 02-0919.12, 02-0919.13 and 02-0919.14)
3. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94.
3) Water Resistance Test, per PA 202-94.
4) Large Missile Impact Test per PA 201-94
5) Cyclic Wind Pressure Loading per PA 203-94
along with assembly & part drawing of a wood fixed window prepared by Architectural Testing, Inc., Test Report No. **ATI-02-31277.01**, dated 02/24/1999 with no revisions, signed and sealed by Allen N. Reeves, P. E. *(Submitted under NOA No. 02-0919.14)*
4. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94.
3) Water Resistance Test, per PA 202-94.
4) Large Missile Impact Test per PA 201-94
5) Cyclic Wind Pressure Loading per PA 203-94
along with assembly & part drawing of a wood fixed window prepared by Architectural Testing, Inc., Test Report No. **ATI-02-31053.01**, dated 02/08/1999 with no revisions, signed and sealed by Allen N. Reeves, P. E. *(Submitted under NOA No. 02-0919.13)*
5. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94.
3) Water Resistance Test, per PA 202-94.
4) Large Missile Impact Test per PA 201-94
5) Cyclic Wind Pressure Loading per PA 203-94
along with assembly & part drawing of a wood fixed window prepared by Architectural Testing, Inc., Test Report No. **ATI-02-31038.02**, dated 01/04/1999, signed and sealed by Allen N. Reeves, P. E. *(Submitted under NOA No. 02-0919.12)*


Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 12-0720.02
Expiration Date: November 5, 2017
Approval Date: September 6, 2012

Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Revised anchor verification calculations and structural analysis, complying with FBC-2010, prepared by prepared by Al-Farooq Corporation, dated 05/29/12, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their **"DuPont Butacite® PVB Interlayer"** dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. **11-1102.10** issued to Solutia, Inc. for their **"Saflex HP Clear or Color Glass Interlayers"** dated 06/14/12, expiring on 04/14/13.
3. Test reports on PVC material: Test report No.F4693 dated 03/24/99 for "South Florida outside 45 degree exposure for 5 years conducted by South Florida Testing Service (Aspen Research Corp) and tensile strength test of exposed & unexposed samples.
4. Test reports on PVC material: Test report No. 31005559SAT-004 for Surface Burning Characteristics of Building Materials per ASTM E 84, dated 08-04-06 , test report # 31005559SAT-001 for Self-Ignition Temperature per ASTM D 1929, dated 08-09-06 and test report # 31005559SAT-007 per ASTM D-635 dated 08/08/06 issued by Intertek ETL Semko.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated June 15, 2012, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report no. **ATI-02-34396.01**, issued by Architectural Testing, Inc., dated July 10, 2002, signed and sealed by Steven M. Ulrich, P. E.
(Submitted under NOA No.'s 02-0919.12, 02-0919.13 and 02-0919.14)
3. Laboratory compliance letter for Test Report No.'s **ATI - 02 - 32062. 01, ATI-02-31277.01, ATI-02-31053.01, ATI-02-31053.01 and ATI-02-31038.02**, issued by Architectural Testing, Inc., dated January 04, 1999 to May 05, 2000, all signed and sealed by Allen N. Reeves, P. E. *(Submitted under NOA No.'s 02-0919.12, 02-0919.13 and 02-0919.14)*

G. OTHERS

1. Notice of Acceptance No. 09-1109.06, issued to Andersen Corporation for their **Series "Flex/ Arch Flex/ Springline" Fixed Wood Windows - L.M.I.**", approved on 02/03/10 and expiring on 11/05/12.



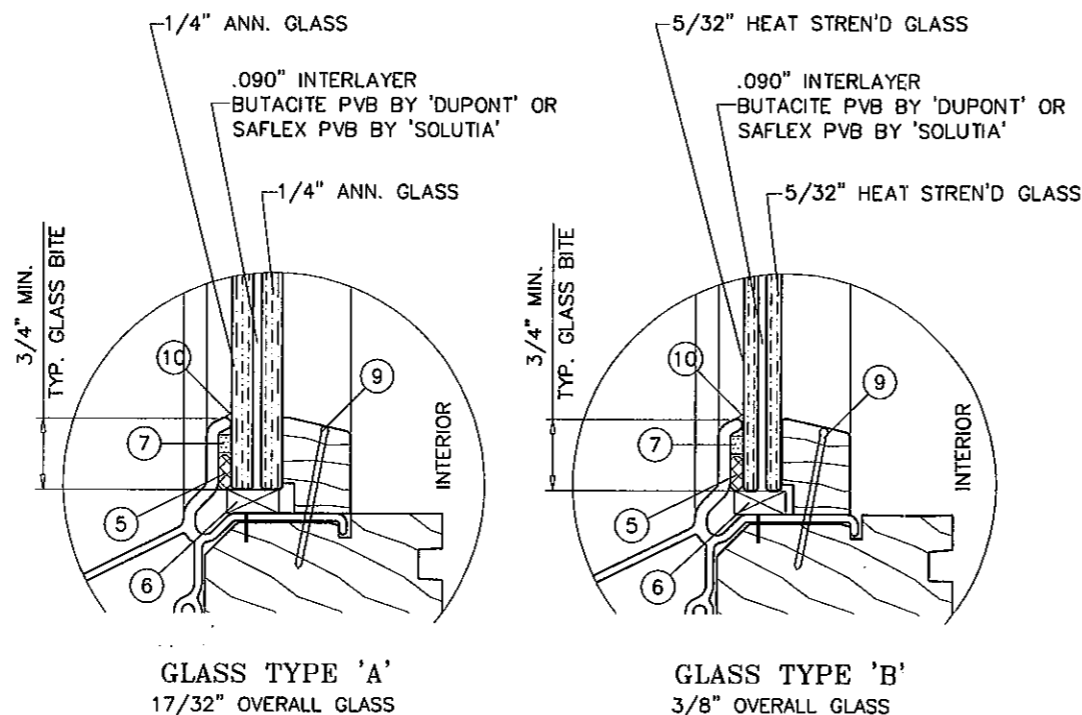
Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 12-0720.02
Expiration Date: November 5, 2017
Approval Date: September 6, 2012

DESIGN LOAD CAPACITY - PSF				
WINDOW DESCRIPTION	UNIT WIDTH INCHES	UNIT HT. INCHES	GLASS TYPES 'A' OR 'B'	
			EXT.(+)	INT.(-)
AFC106	24-1/8	9-1/4	67.0	71.0
AFC11		15-1/4	67.0	71.0
AFC12		27-3/8	67.0	71.0
AFC13		39-3/16	67.0	71.0
AFC135		44-1/16	67.0	71.0
AFC14		51-1/4	67.0	71.0
AFC145		56-1/16	67.0	71.0
AFC15		63-1/8	67.0	71.0
AFC155		68-1/16	67.0	71.0
AFC16	28-3/8	75-1/8	67.0	71.0
AFC18		99-3/8	67.0	71.0
AFCW106		10-5/8	67.0	71.0
AFCW11		16-5/8	67.0	71.0
AFCW12		28-3/4	67.0	71.0
AFCW13		40-9/16	67.0	71.0
AFCW135		45-7/16	67.0	71.0
AFCW14		52-5/8	67.0	71.0
AFCW145		57-7/16	67.0	71.0
AFCW15	35-15/16	64-1/2	67.0	71.0
AFCW155		69-7/16	67.0	71.0
AFCW16		76-1/2	67.0	71.0
AFCW18		100-3/4	67.0	71.0
AFCP3006		10-13/16	67.0	71.0
AFCP301		16-13/16	67.0	71.0
AFCP302		28-15/16	67.0	71.0
AFCP303		40-3/4	67.0	71.0
AFCP3035		45-5/8	67.0	71.0
AFCP304	48	52-13/16	67.0	71.0
AFCP3045		57-5/8	67.0	71.0
AFCP305		64-11/16	67.0	71.0
AFCP3055		69-5/8	67.0	71.0
AFCP306		76-11/16	67.0	71.0
AFCP308		100-15/16	67.0	71.0
AFC206		12-7/16	67.0	71.0
AFC21		18-7/16	67.0	71.0
AFC22	56-1/2	30-9/16	67.0	71.0
AFC23		42-3/8	67.0	71.0
AFC235		47-1/4	67.0	71.0
AFC24		54-7/16	67.0	71.0
AFC245		59-1/4	67.0	71.0
AFC25		66-5/16	67.0	71.0
AFC255		71-1/4	67.0	71.0
AFC26		78-5/16	67.0	71.0
AFCW206		13-1/16	67.0	71.0
AFCW21	59-1/4	19-1/16	67.0	71.0
AFCW22		31-3/16	67.0	71.0
AFCW23		43	67.0	71.0
AFCW235		47-7/8	67.0	71.0
AFCW24		55-1/16	67.0	71.0
AFCW245		59-7/8	67.0	71.0
AFCW25		66-15/16	67.0	71.0
AFCW255		71-7/8	67.0	71.0

DESIGN LOAD CAPACITY - PSF				
WINDOW DESCRIPTION	UNIT WIDTH INCHES	UNIT HT. INCHES	GLASS TYPES 'A' OR 'B'	
			EXT.(+)	INT.(-)
AFFW5006	59-1/4	13-13/16	67.0	71.0
AFFW501		19-13/16	67.0	71.0
AFFW502		31-15/16	67.0	71.0
AFFW503		43-3/4	67.0	71.0
AFFW5035		48-5/8	67.0	71.0
AFFW504		55-13/16	67.0	71.0
AFFW5045		60-5/8	67.0	71.0
AFFW505		67-11/16	67.0	71.0
AFFW6006	71-1/4	15-7/16	67.0	71.0
AFFW601		21-7/16	67.0	71.0
AFFW602		33-9/16	67.0	71.0
AFFW603		45-3/8	67.0	71.0
AFFW6035		50-1/4	67.0	71.0
AFFW604		57-7/16	67.0	71.0
AFFW6045		62-1/4	67.0	71.0
AFFW8006	95-1/8	18-5/8	67.0	71.0
AFFW801		24-5/8	67.0	71.0
AFFW802		36-3/4	67.0	71.0
AFFW803		48-9/16	67.0	71.0

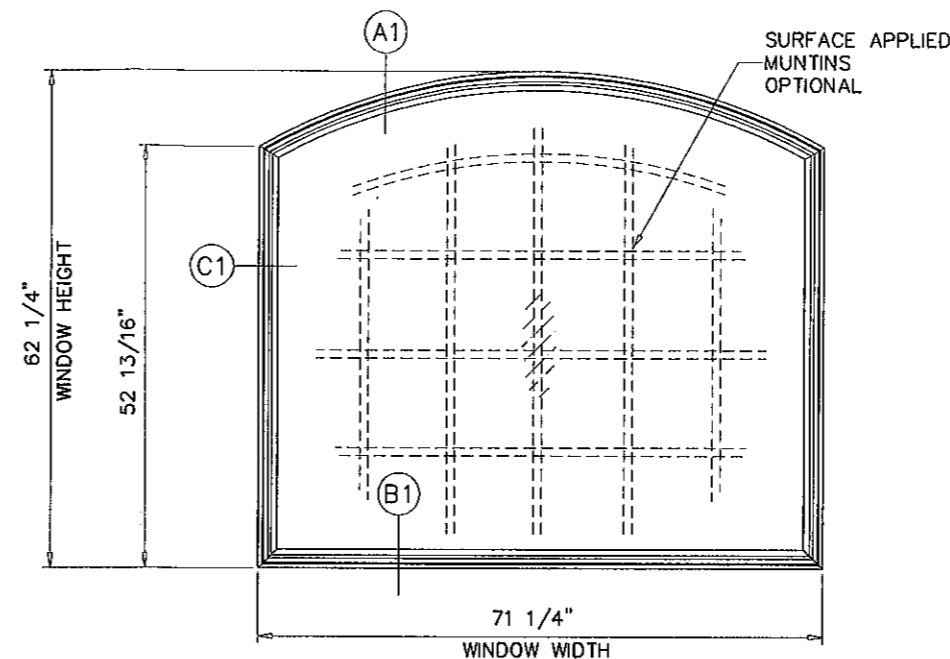
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS).

FLEXIFRAME WINDOWS



GLAZING OPTIONS

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.



TYPICAL ELEVATION
TESTED UNIT (EXTERIOR VIEW)

WINDOWS CAN BE INSTALLED WITH ANY OF THE FOLLOWING OPTIONS

- OPTION #1: BY USING FASTENERS THRU WINDOW FRAME INTO
STRUCTURE AT 6" FROM CORNERS AND 15" O.C. MAX.
- OPTION #2: BY USING FASTENERS THRU ANCHOR CLIPS
AT 6" FROM CORNERS AND 20" O.C. MAX.
- SEE SHEETS 3 AND 4 FOR DETAILS.

FLEXIFRAME/SPRINGLINE FIXED WOOD WINDOWS

THESE PRODUCTS CAN BE INSTALLED AS SINGLE UNITS OR
SIDE BY SIDE COMBINATIONS OF TWO OR MORE UNITS, ALSO
IN COMBINATION WITH MIAMI-DADE COUNTY APPROVED PRODUCTS
USING APPROVED MULLIONS IN BETWEEN.

DESIGN LOAD RATING FOR WINDOWS TO BE AS PER CHARTS SHOWN.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY
HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS
EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE
NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVIEW
as complying with
Building Code
Acceptance No. 12-0720.02
Expiration Date 11/5/2017
By: [Signature]
Miami Made Product Control

JUN 18 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP - ANL W07-58AC

ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL (800) 426-7691 FAX (-)

revisions:

no	date	by	description
A	11.20.07	REV. PER BCCO COMMENTS	
B	10.21.09	UPDATED FOR 2007 FBC	
C	06.15.12	UPDATED TO 2010 FBC	

date: 08-01-07
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

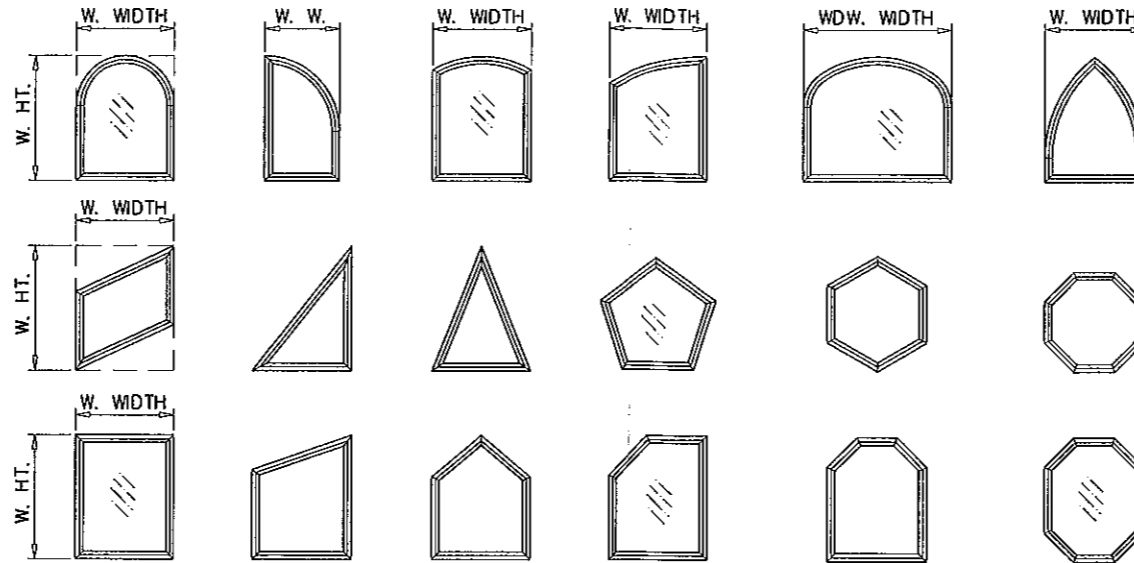
drawing no.
W07-58

sheet 1 of 10

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A' OR 'B'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)
24"	36"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		67.0	71.0
66"		67.0	71.0
72"	42"	67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		67.0	71.0
66"		67.0	71.0
72"		67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"	48"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		67.0	71.0
66"		67.0	71.0
72"	54"	67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"	60"	67.0	71.0
60"		67.0	71.0
66"		65.4	69.3
72"		67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		65.4	69.3
66"		65.4	69.3

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A' OR 'B'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)
24"	66"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		65.4	69.3
66"		67.0	71.0
72"	72"	67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
24"	78"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		65.9	69.9
60"		67.0	71.0
66"		67.0	71.0
72"	84"	67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
24"	90"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		67.0	71.0
66"		67.0	71.0
72"	96"	67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
90"		67.0	71.0
96"		67.0	71.0
102"		67.0	71.0
108"		67.0	71.0
114"		67.0	71.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS).



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE
VERIFIED BY INSCRIBING WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN
IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

FLEXIFRAME WINDOWS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

[Signature]
JUN 18 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0720.02
Expiration Date 11/5/2017
By *[Signature]*
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W07-58AC

FLEXIFRAME / SPRINGLINE FIXED WOOD WINDOWS

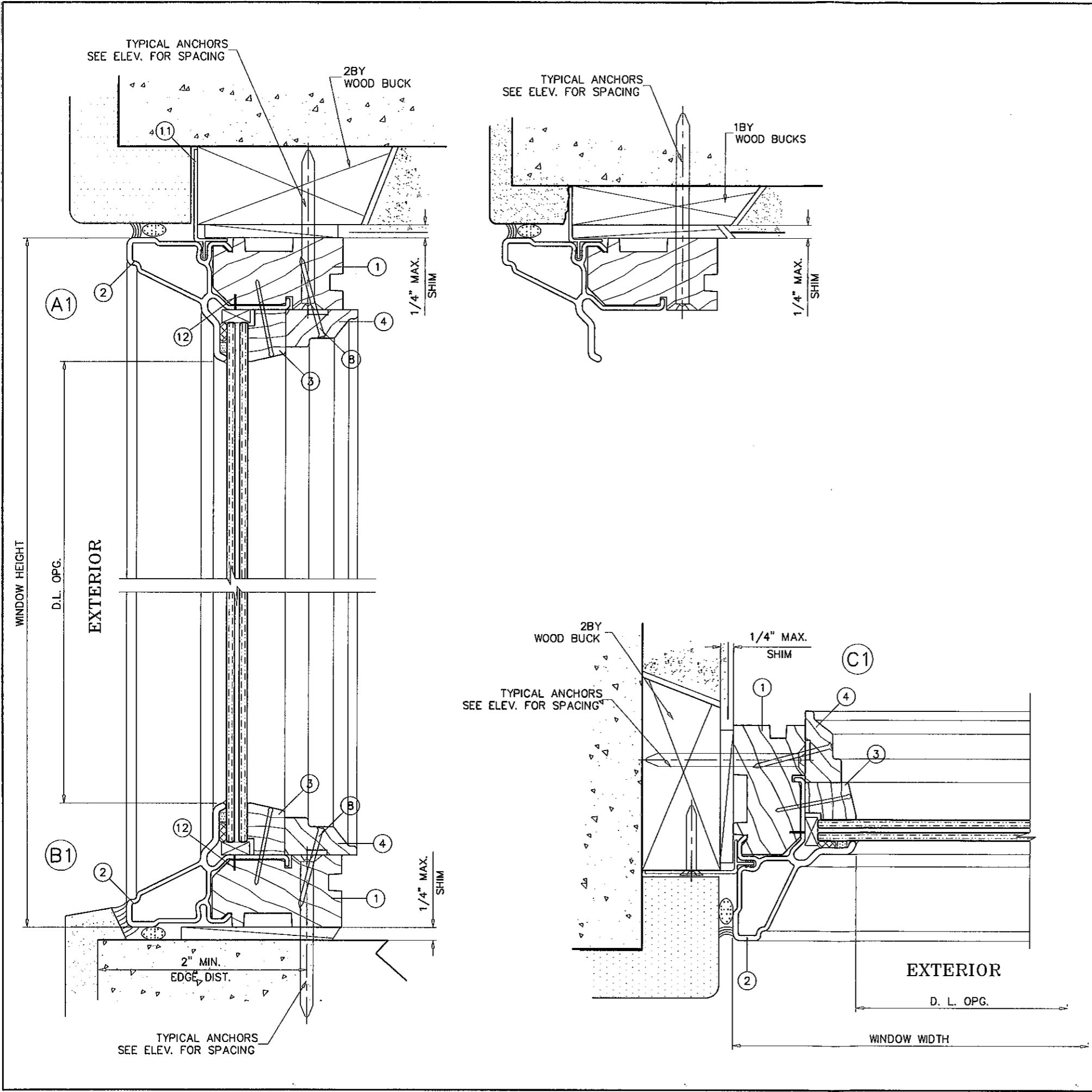
ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL (800) 426-7691 FAX (-)

revisions:

no	date	by	description
A	11.20.07		NO CHANGE THIS SHEET
B	10.21.09		UPDATED FOR 2007 FBC
C	06.15.12		UPDATED TO 2010 FBC

date: 08-01-07
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no. W07-58
sheet 2 of 10



WOOD BUCKS NOT BY ANDERSEN, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS

ANCHORS THRU WINDOW FRAME

- #12 SMS (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
- 1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
- THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHORS THRU INSTALLATION CLIPS

- A - #8 SMS (GRADE 2 CRS)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
- B - 1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)
1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD
- THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
- DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES

- INTO CONCRETE AND MASONRY = 2" MIN.
- INTO WOOD STRUCTURE = 1" MIN.
- CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
- C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

FLEXIFRAME WINDOWS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JUN 18 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0720-02
Expiration Date 11/5/2017
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978

COMP-ANL\W07-58AC

FLEXIFRAME/SPRINGLINE FIXED WOOD WINDOWS

ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL (800) 426-7691 FAX (-)

no	date	by	description
A	11.20.07	REV.	PER BCOO COMMENTS
B	10.21.09	REV.	UPDATED FOR 2007 FBC
C	06.15.12	REV.	UPDATED TO 2010 FBC

date: 08-01-07

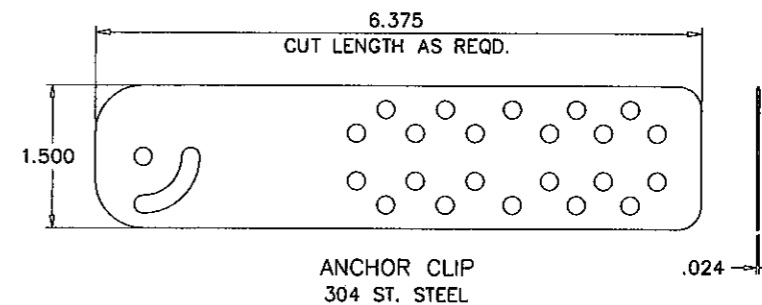
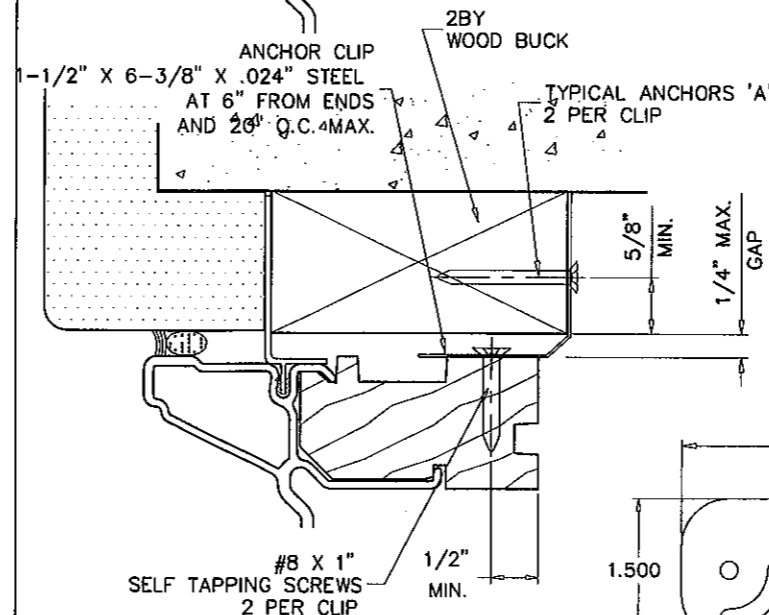
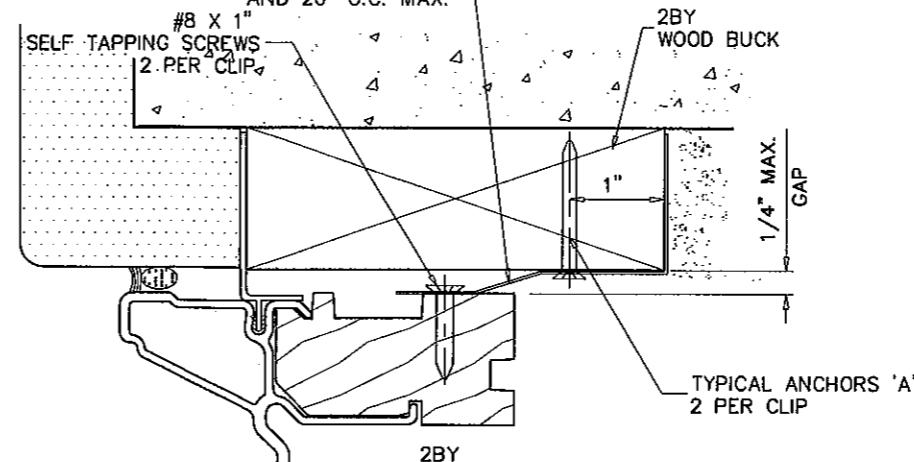
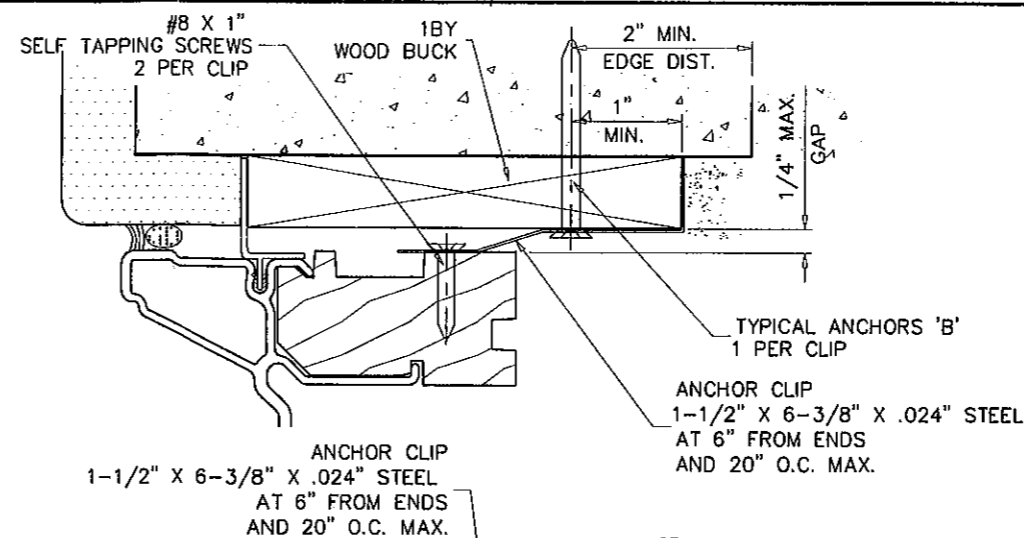
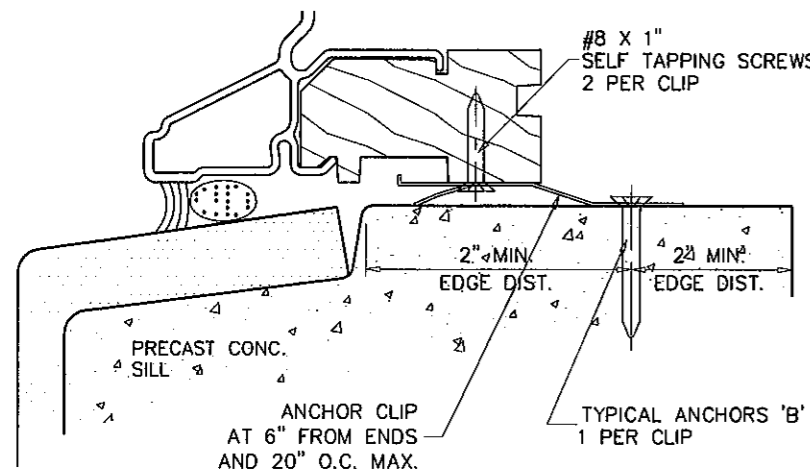
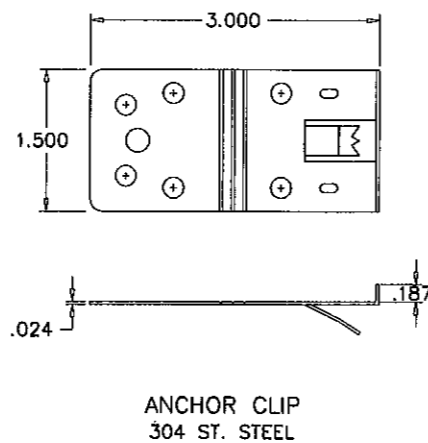
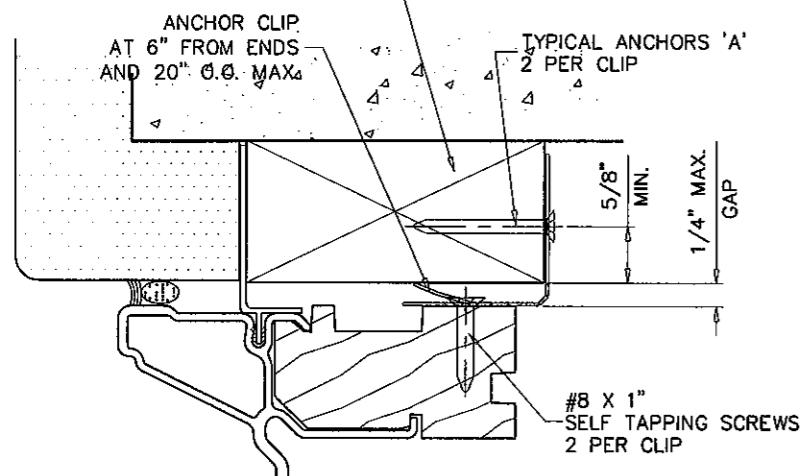
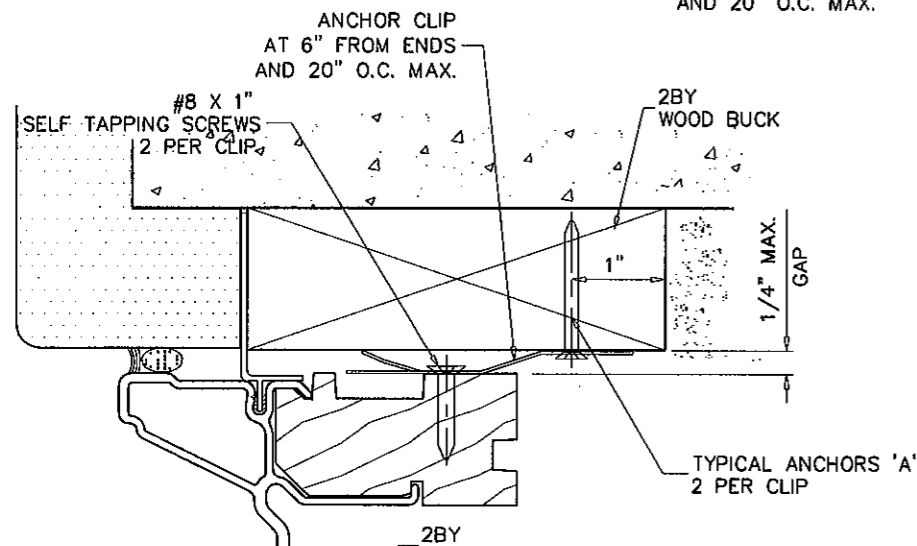
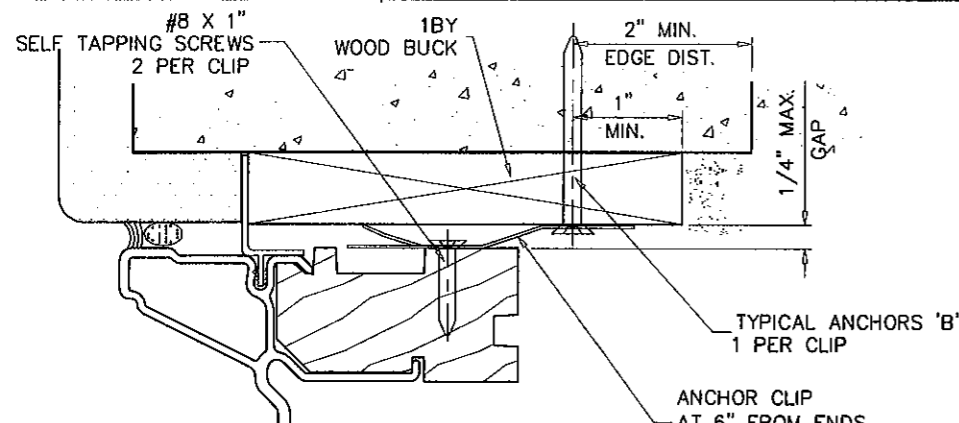
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dr. by: HAMID

chk. by:

drawing no. **W07-58**

sheet 3 of 10



FLEXIFRAME WINDOWS

Engr: JAVAD AHMAD
CIVIL
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C.A.N. 3538

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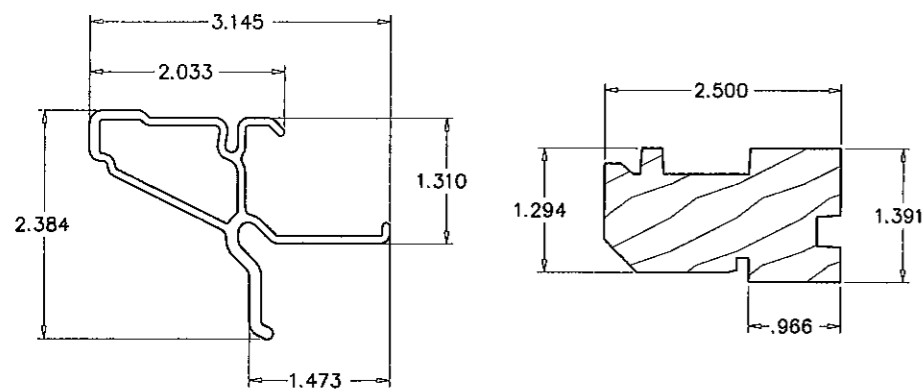
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COMP - ANL \ W07 - 58AC

FLEXIFRAME/SPRINGLINE FIXED WOOD WINDOWS
ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL (800) 426-7691 FAX (-)
AW

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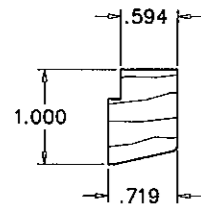
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dr. by: HAMID
chk. by:

drawing no.
W07-58
sheet 4 of 10

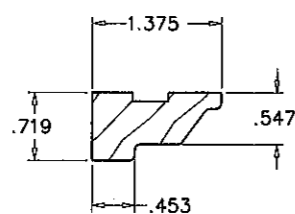


② FRAME COVER

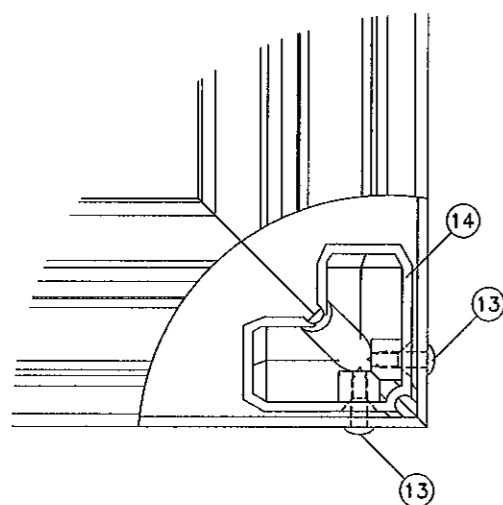
① FRAME HEAD/SILL/JAMB



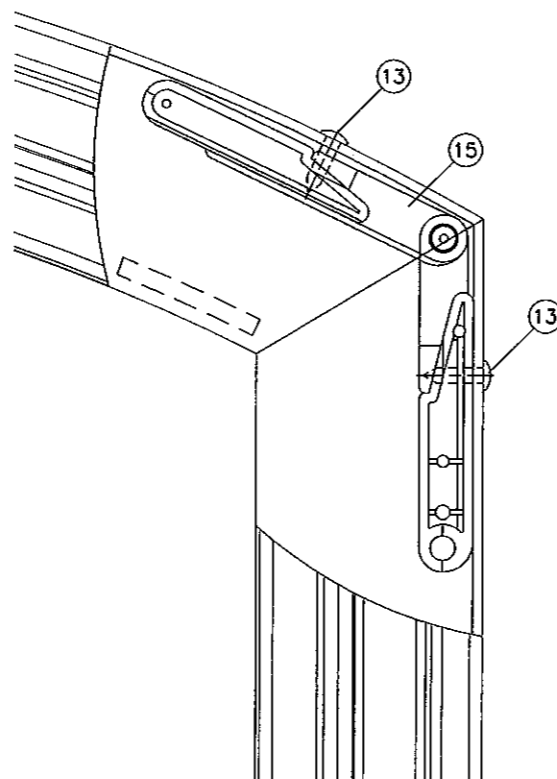
③ INTERIOR GLASS STOP



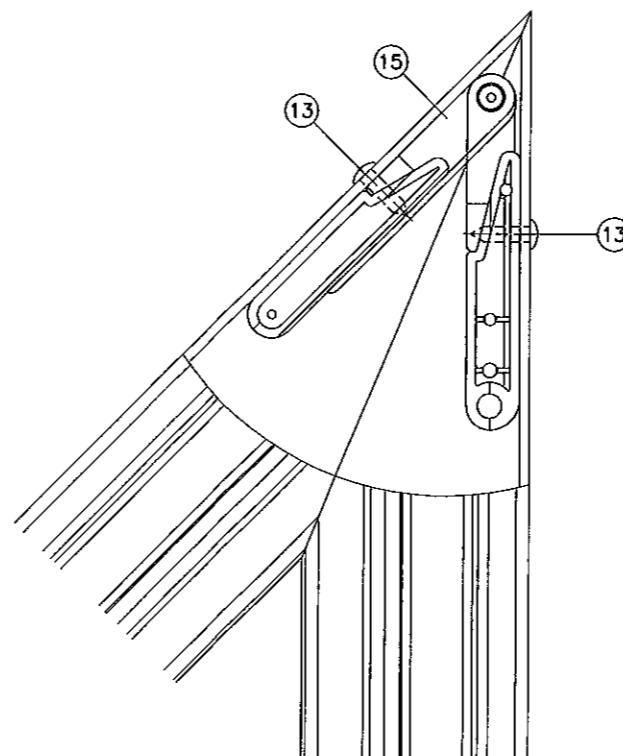
④ INTERIOR STOP



SQUARE CORNERS



CIRCULAR CORNERS



VARIABLE ANGLE CORNERS

ITEM #	PART NO.	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	-	AS REQD.	FRAME HEAD/SILL/JAMB	WOOD	ANDERSEN
2	-	AS REQD.	FRAME COVER	VINYL	-
3	-	AS REQD.	INTERIOR GLASS STOP	WOOD	ANDERSEN
4	-	AS REQD.	INTERIOR STOP	WOOD	ANDERSEN
5	DC-983-2/DC9-1350	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
6	20065	AS REQD.	SETTING BLOCK SPACER	VINYL	AT 1/4 POINTS
7	11084	AS REQD.	GLASS SPACERS, 3" LONG	FOAM	-
8	-	-	GALVANIZED NAILS AT 8" O.C.	-	16 GA. X 1-3/4"
9	4220149	-	GALVANIZED NAILS AT 8" O.C.	-	16 GA. X 1-1/2"
10	DC-983-2	AS REQD.	FILLET BEAD	SILICONE	DOW CORNING
11	24136	AS REQD.	NAILING FIN	VINYL	-
12	4220180	AS REQD.	STAPLE	STEEL	3/8" X 1/2" X 16 GA.
13	3621000	AS REQD.	#8 X 5/8" SCREWS	ST. STEEL	-
14	11029	AS REQD.	90° CORNER LOCK	PLASTIC	-
15	11027	AS REQD.	ADJUSTABLE CORNER LOCK	PLASTIC	-

NON CURVED PROFILES COMPOSED OF YELLOW PINE, PONDEROSA PINE OR EQUAL.
CURVED PROFILES COMPOSED OF LAMINATED YELLOW POPLAR, MAPLE OR SELECT HARD WOODS.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

JUN 18 2012

FLEXIFRAME WINDOWS

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Official Trade Product Control

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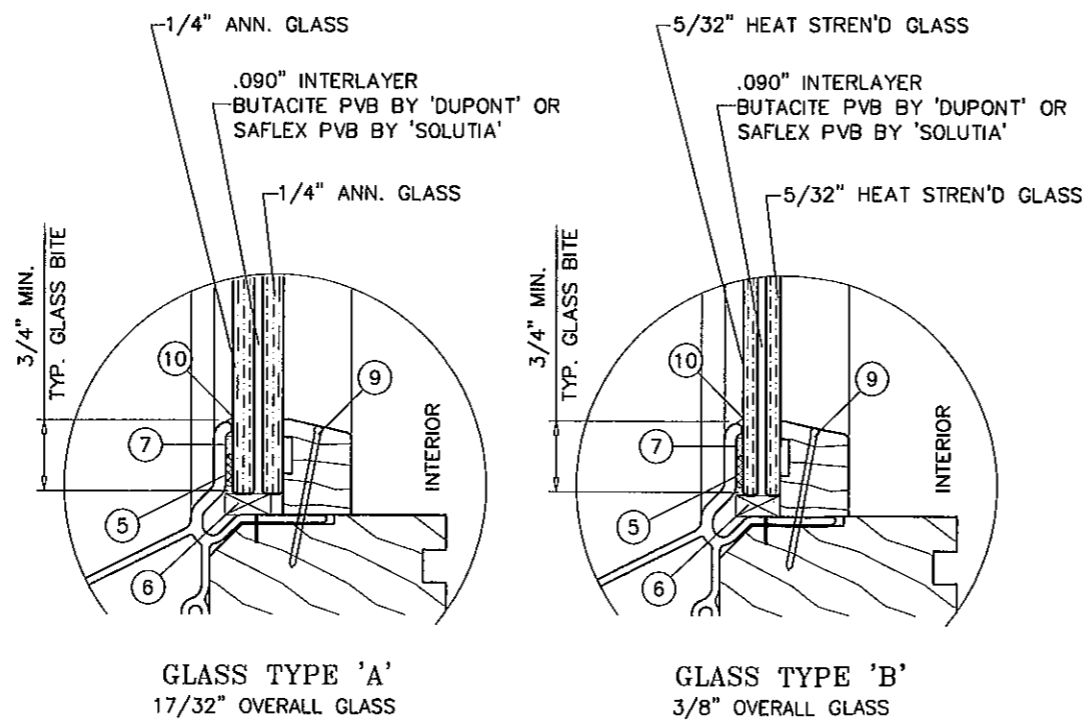
FLEXIFRAME/SPRINGLINE FIXED WOOD WINDOWS
ANDERSEN CORPORATION
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL (800) 426-7691 FAX (-)

revisions:	no.	date	by	description
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	C	06.15.12	NO CHANGE THIS SHEET	

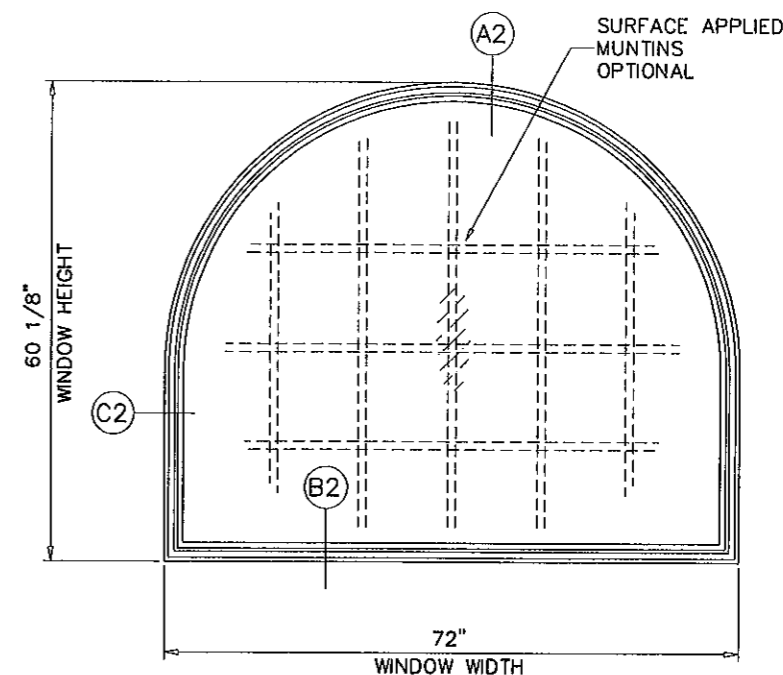
date: 08-01-07	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
drawing no. W07-58			
sheet 5 of 10			

DESIGN LOAD CAPACITY - PSF				
WINDOW DESCRIPTION	UNIT WIDTH INCHES	UNIT HT. INCHES	GLASS TYPE 'A'	
			EXT.(+)	INT.(-)
SE3106	37-1/2	24-3/4	67.0	71.0
SE311		30-3/4	67.0	71.0
SE312		42-7/8	67.0	71.0
SE313		54-11/16	67.0	71.0
SE3135		59-9/16	67.0	71.0
SE314		66-3/4	67.0	71.0
SE3145		71-9/16	67.0	71.0
SE315		78-5/8	67.0	71.0
SE3155	48	83-9/16	67.0	71.0
SE316		90-5/8	67.0	71.0
SP402		48-1/8	67.0	71.0
SP403		59-15/16	67.0	71.0
SP4035		64-13/16	67.0	71.0
SP404		72	67.0	71.0
SP4045		76-13/16	67.0	71.0
SP405		83-7/8	65.2	69.1
SP4055		88-13/16	63.8	67.6
SE5406	64-1/2	38-1/4	67.0	71.0
SE541		44-1/4	67.0	71.0
SE542		56-3/8	67.0	71.0
SE543		68-3/16	54.4	57.7
SE5806	68-1/2	40-1/4	67.0	71.0
SE581		46-1/4	67.0	71.0
SE582		58-3/8	67.0	71.0
SE6006	72	42	67.0	71.0
SE601		48	67.0	71.0
SE602		60-1/8	67.0	71.0
ELFW6006	71-1/4	35-13/16	67.0	71.0
ELFW601		42-13/16	67.0	71.0
ELFW602		54-13/16	67.0	71.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS).



GLAZING OPTIONS



TYPICAL ELEVATION
TESTED UNIT (EXTERIOR VIEW)

WINDOWS CAN BE INSTALLED WITH ANY OF THE FOLLOWING OPTIONS

OPTION #1: BY USING FASTENERS THRU WINDOW FRAME INTO
STRUCTURE AT 6" FROM CORNERS AND 15" O.C. MAX.

OPTION #2: BY USING FASTENERS THRU ANCHOR CLIPS
AT 6" FROM CORNERS AND 20" O.C. MAX.

SEE SHEETS 8 AND 9 FOR DETAILS.

PRODUCT REVISED
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Miami Dade Product Control

SPRINGLINE WINDOWS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JUN 18 2012

AL-FAROOQ CORPORATION
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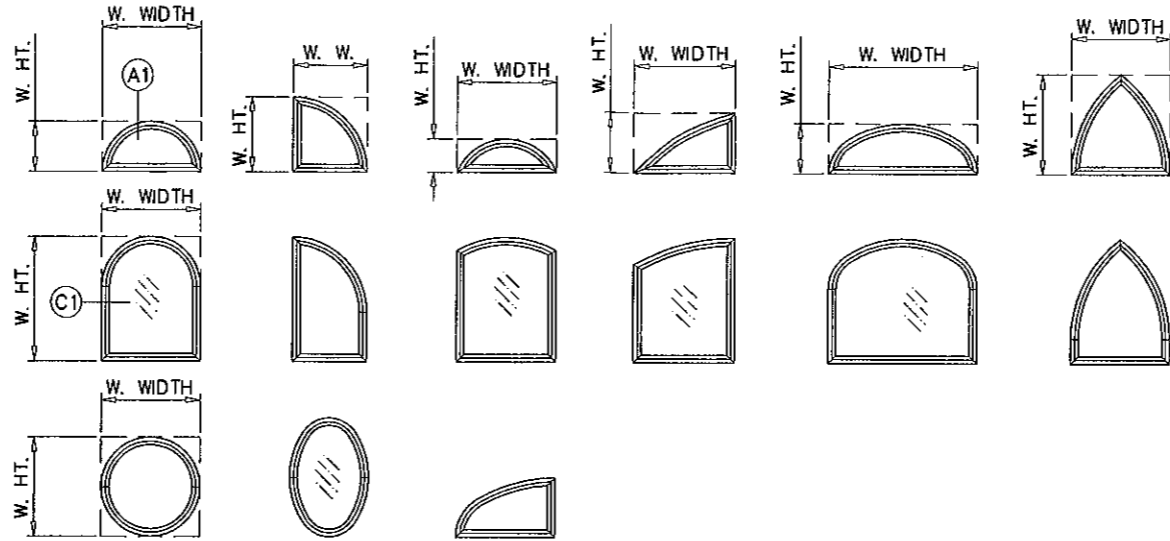
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scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:

drawing no.
W07-58
sheet 6 of 10

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A' OR 'B'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)
24"	36"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		67.0	71.0
66"		67.0	71.0
72"	42"	67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		67.0	71.0
66"		67.0	71.0
72"		67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"	48"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		67.0	71.0
60"		67.0	71.0
66"		67.0	71.0
72"	54"	67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"	60"	67.0	71.0
60"		67.0	71.0
66"		67.0	71.0
72"		67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		65.0	68.9
60"		58.5	62.0

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPES 'A' OR 'B'	
WIDTH	HEIGHT	EXT. (+)	INT. (-)
24"	66"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
54"		65.0	68.9
60"		67.0	71.0
66"		67.0	71.0
72"	72"	67.0	71.0
78"		67.0	71.0
84"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
24"	78"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
24"	84"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
24"	90"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
24"	96"	67.0	71.0
30"		67.0	71.0
36"		67.0	71.0
42"		67.0	71.0
48"		67.0	71.0
24"		67.0	71.0
30"		67.0	71.0
36"		67.0	71.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS).



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE
VERIFIED BY INSCRIBING WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS SHOWN
IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

SPRINGLINE WINDOWS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

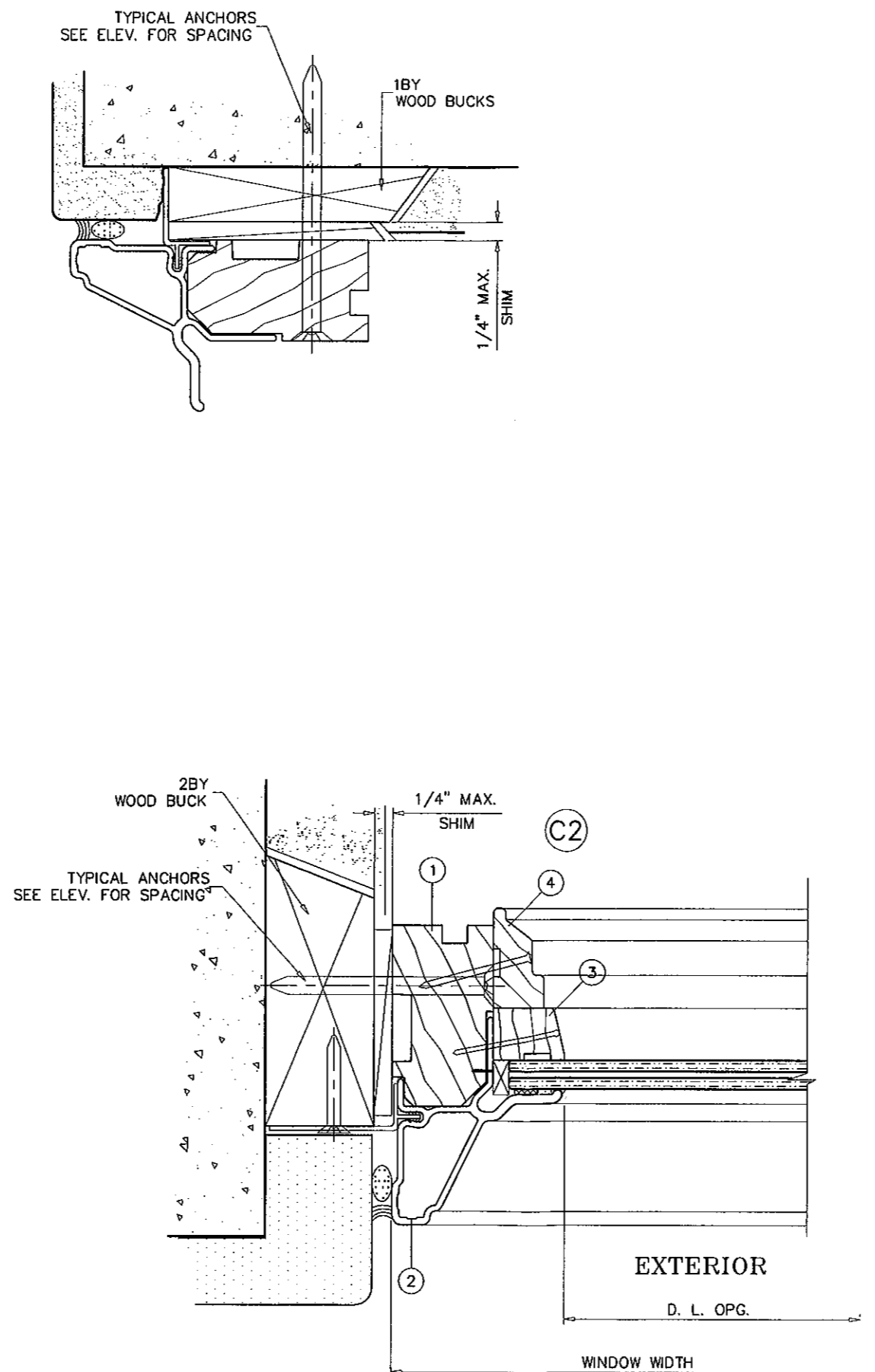
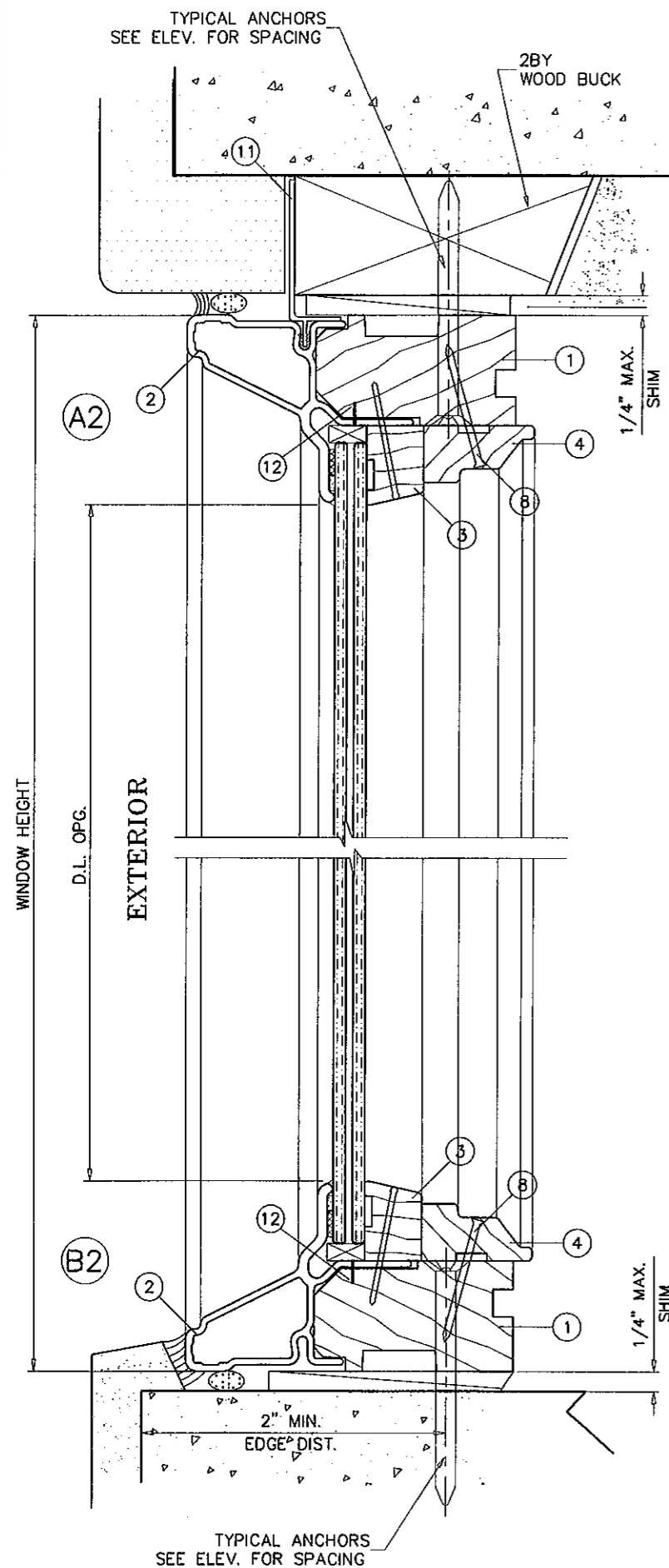
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100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
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dr. by:	HAMID			
chk. by:				
drawing no.	W07-58			
sheet	7 of 10			



WOOD BUCKS NOT BY ANDERSEN, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS

ANCHORS THRU WINDOW FRAME

#12 SMS (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHORS THRU INSTALLATION CLIPS

A - #8 SMS (GRADE 2 CRS)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

B - 1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SPRINGLINE WINDOWS

Engr: JAVAD AHMAD
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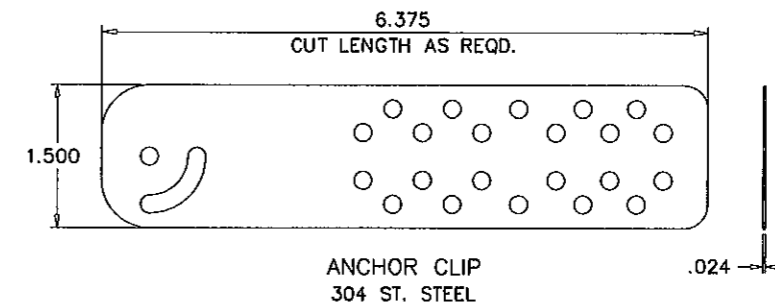
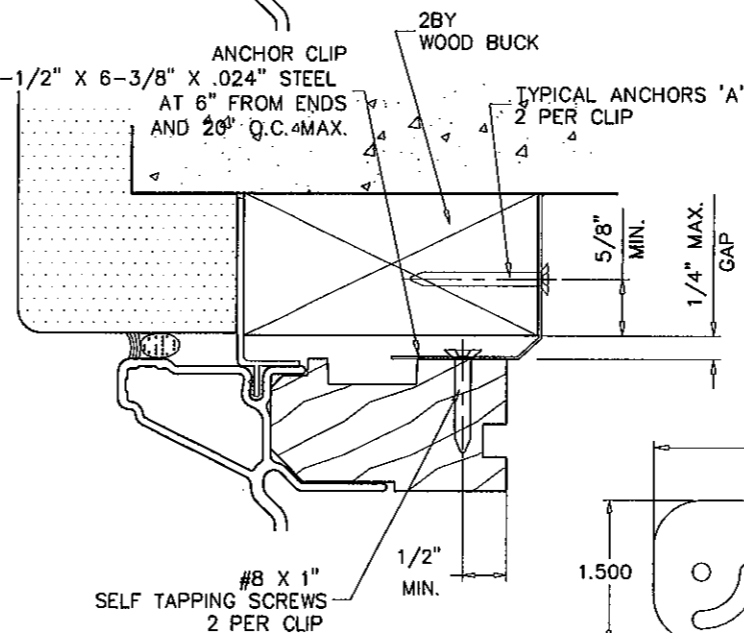
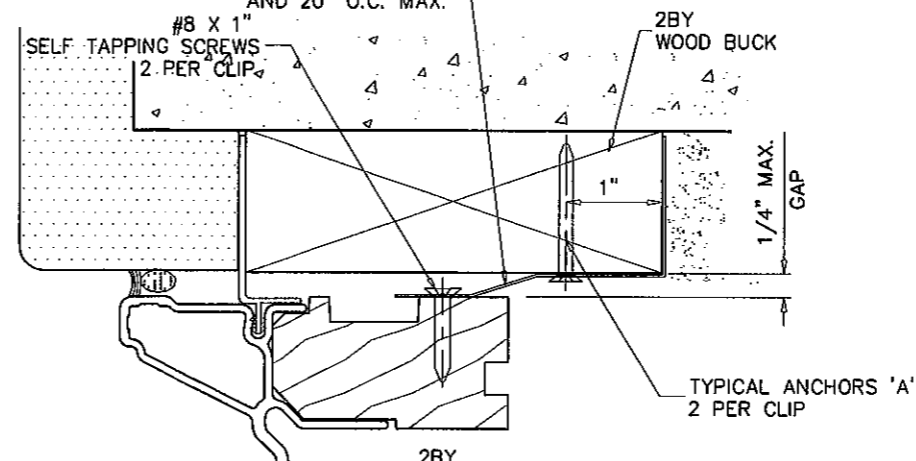
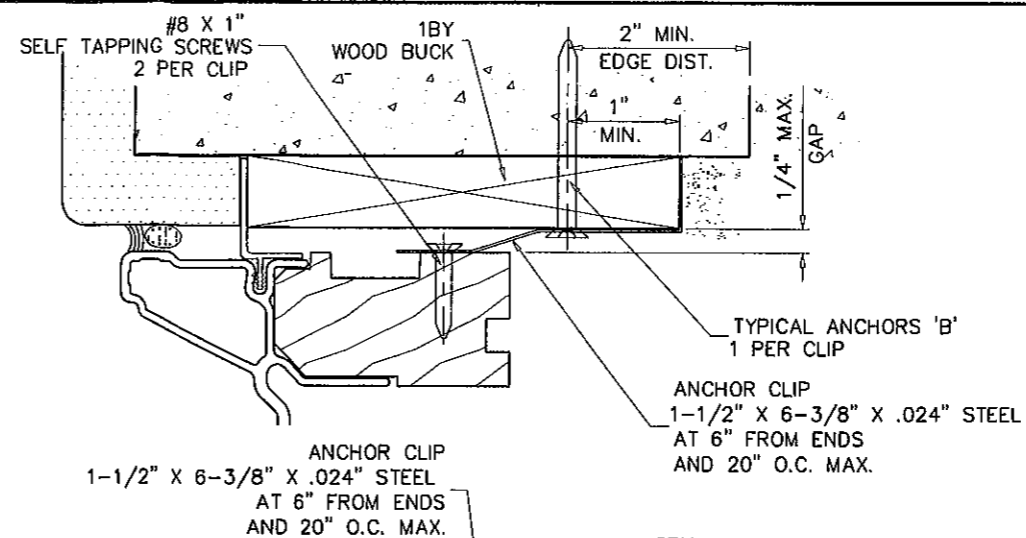
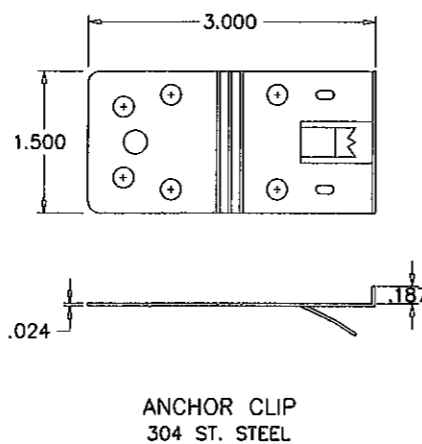
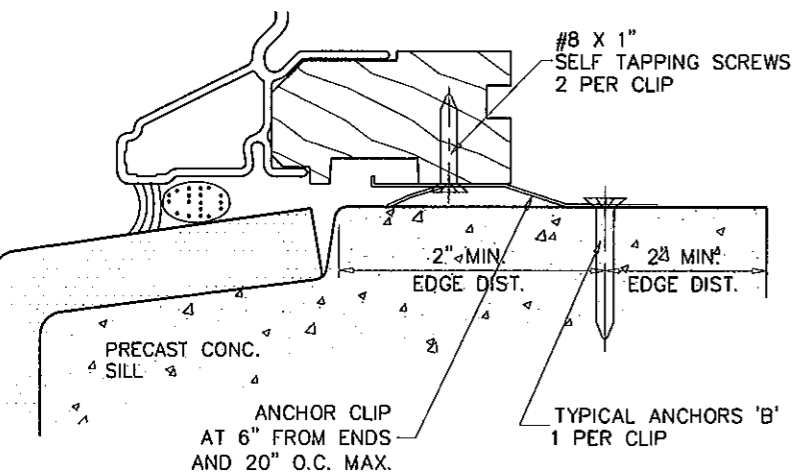
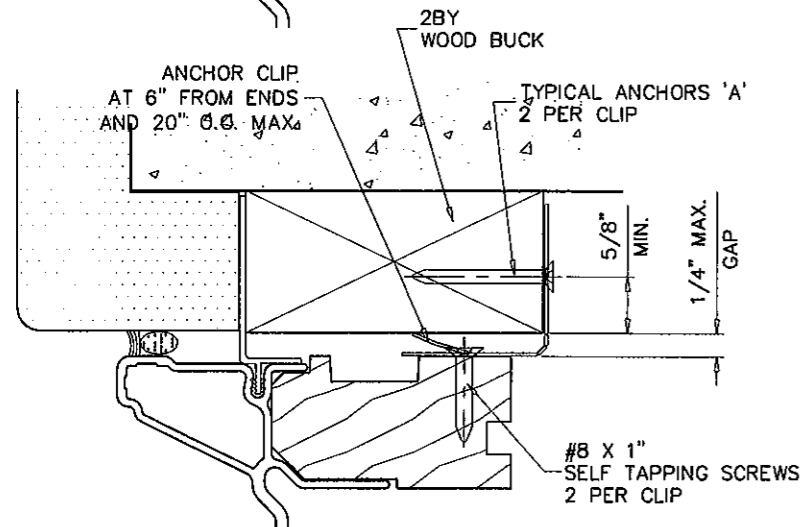
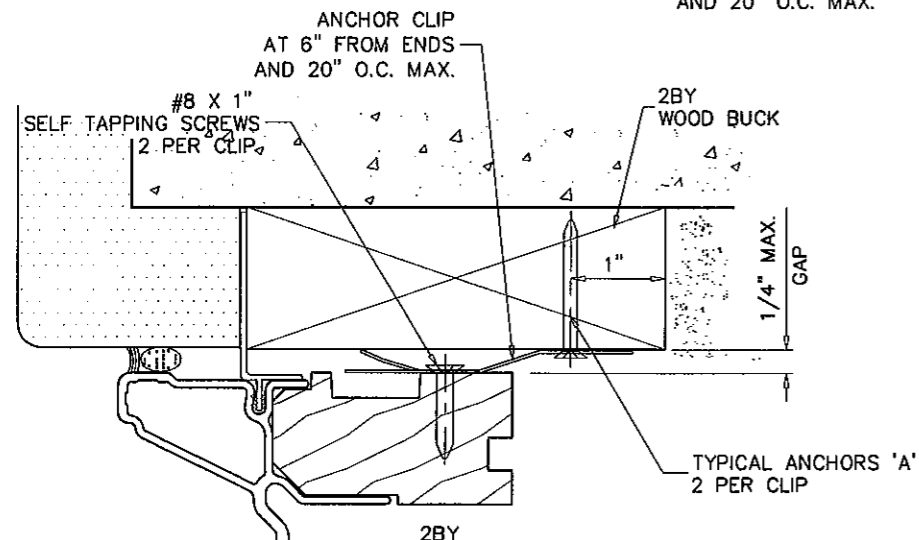
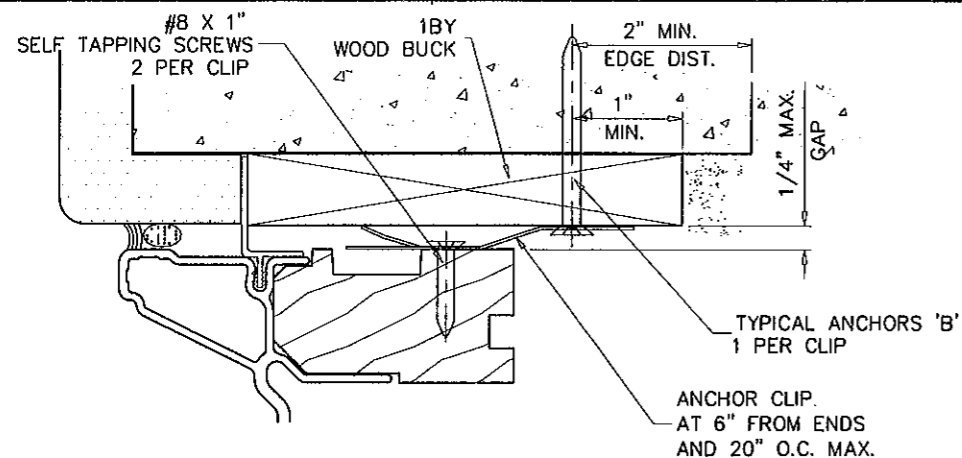
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AW

no	date	by	description
A	11.20.07	REV. PER BCCO COMMENTS	
B	10.21.09	UPDATED FOR 2007 FBC	
C	06.15.12	UPDATED TO 2010 FBC	

date: 08-01-07
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W07-58
sheet 8 of 10



SPRINGLINE WINDOWS

CLIP INSTALLATION DETAILS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0720-02
Expiration Date 11/5/2017

Miami Dade Product Control

JUN 18 2012

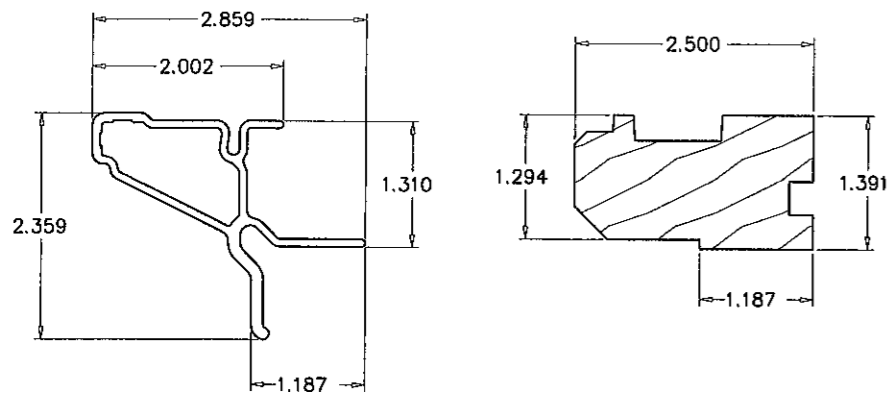
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL W07-58AC

ANDERSEN CORPORATION
FLEXIFRAME/SPRINGLINE FIXED WOOD WINDOWS
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL. (800) 426-7891 FAX (-)

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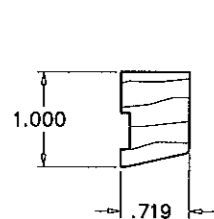
date: 08-01-07	scale: 1/2" = 1"	dr. by: HAMID	chk. by:
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sheet 9 of 10

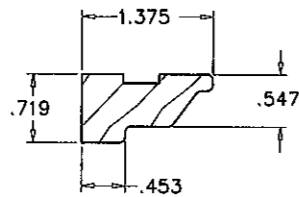


② FRAME COVER

① FRAME HEAD/SILL/JAMB



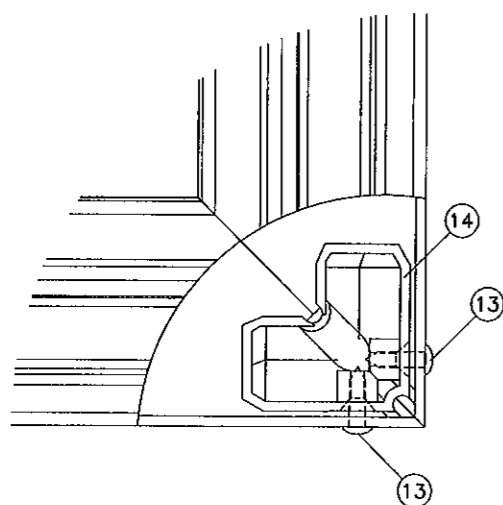
③ INTERIOR GLASS STOP



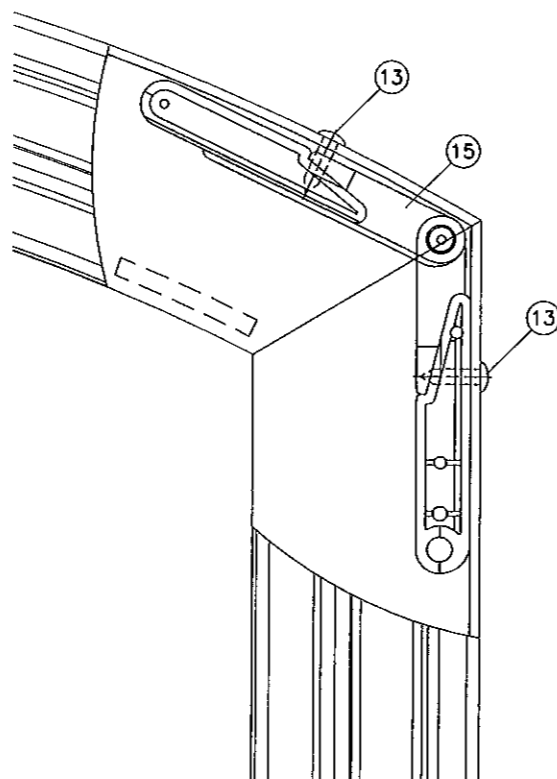
④ INTERIOR STOP

ITEM #	PART NO.	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	11023	AS REQD.	FRAME HEAD/SILL/JAMB	WOOD	ANDERSEN
2	-	AS REQD.	FRAME COVER	VINYL	-
3	-	AS REQD.	INTERIOR GLASS STOP	WOOD	ANDERSEN
4	-	AS REQD.	INTERIOR STOP	WOOD	ANDERSEN
5	DC-983-2/DC9-1350	AS REQD.	GLAZING COMPOUND	SILICONE	DOW CORNING
6	20065	AS REQD.	SETTING BLOCK SPACER	VINYL	AT 1/4 POINTS
7	11084	AS REQD.	GLASS SPACERS, 3" LONG	FOAM	-
8	-	-	GALVANIZED NAILS AT 8" O.C.	-	16 GA X 1 3/4"
9	4220149	-	GALVANIZED NAILS AT 8" O.C.	-	16 GA X 1 1/2"
10	DC-983-2	AS REQD.	FILLET BEAD	SILICONE	DOW CORNING
11	24136	AS REQD.	NAILING FIN	VINYL	-
12	4220180	AS REQD.	STAPLE	STEEL	3/8" X 1/2" X 16 GA.
13	3621000	AS REQD.	#8 X 5/8" SCREWS	ST. STEEL	-
14	11029	AS REQD.	90° CORNER LOCK	PLASTIC	-
15	11027	AS REQD.	ADJUSTABLE CORNER LOCK	PLASTIC	-

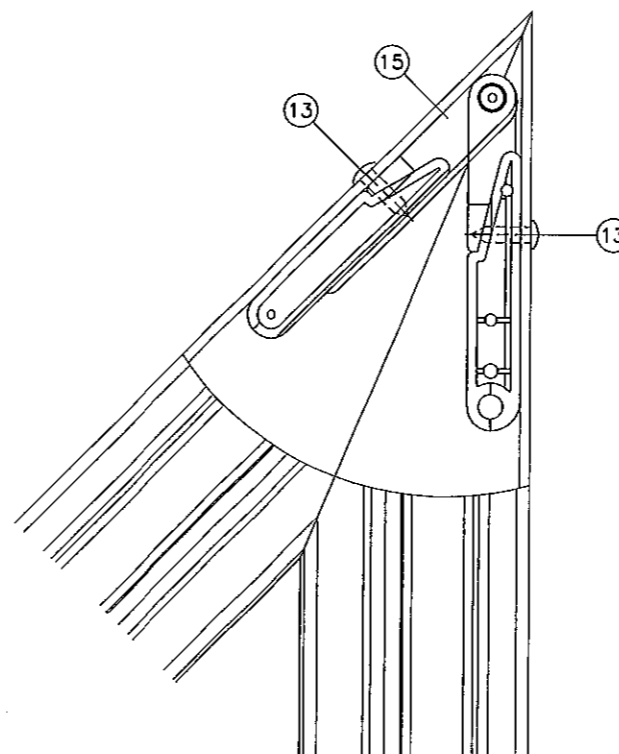
NON CURVED PROFILES COMPOSED OF YELLOW PINE, PONDEROSA PINE OR EQUAL.
CURVED PROFILES COMPOSED OF LAMINATED YELLOW POPLAR, MAPLE OR SELECT HARD WOODS.



SQUARE CORNERS



CIRCULAR CORNERS



VARIABLE ANGLE CORNERS

SPRINGLINE WINDOWS

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